

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5975855

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHANPAN ZHANG	02/10/2020
PETER ALAN GREGG	02/11/2020
JIN XIA	02/10/2020
JOHN HIHOK	02/10/2020
GUANGLIANG ZHAO	02/19/2020
BOUCHRA BOUQATA	02/19/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GENERAL ELECTRIC COMPANY
<b>Street Address:</b>	1 RIVER ROAD
<b>City:</b>	SCHENECTADY
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	12345
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16797593
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)972-7627
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	203-972-0006
<b>Email:</b>	martin@bmtpatent.com, colabella@bmtpatent.com
<b>Correspondent Name:</b>	GRC C/O BUCKLEY, MASCHOFF & TALWALKAR LLC
<b>Address Line 1:</b>	50 LOCUST AVENUE
<b>Address Line 4:</b>	NEW CANAAN, CONNECTICUT 06840
<b>ATTORNEY DOCKET NUMBER:</b>	327679-US-1 (G30.390)
<b>NAME OF SUBMITTER:</b>	RICHARD J. KATZ
<b>SIGNATURE:</b>	/RJK/
<b>DATE SIGNED:</b>	02/21/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 8**

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COMBINED DECLARATION AND GLOBAL ASSIGNMENT  
FOR UTILITY OR DESIGN PATENT APPLICATION

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:

**SYSTEM AND METHOD FOR DETECTING TURBINE UNDERPERFORMANCE AND  
OPERATION ANOMALY**

- ☒ the specification of which is attached hereto OR
- ☒ United States application or PCT international application number  
16/797,593 filed on February 21, 2020, as  
amended on [date] (if applicable).  
(We hereby authorize and request the Company or its delegated attorneys or agents to  
insert above the application number and filing date of the application when known.)

The above-identified application was made or authorized to be made by us.

We believe that we are original joint inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable  
under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application,  
including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this  
application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material  
information which became available between the filing date of the prior application and the filing  
date of the continuation-in-part application.

In accordance with our obligation(s) under an Employee Innovation and Proprietary Information  
Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the  
Services Agreement between General Electric Company, a New York corporation, and our  
employers), and/or for other good and valuable consideration of which we acknowledge receipt,  
I/we,

Inventor First and Middle Names	Inventor Last Name		Residence Town	Residence State	Residence Country
Zhanpan	ZHANG	of	Niskayuna	NY	US
Peter Alan	GREGG	of	Niskayuna	NY	US
Jin	XIA	of	Niskayuna	NY	US
John	MIHOK	of	Schenectady	NY	US
Guangliang	ZHAO	of	Latham	NY	US
Bouchra	BOUQATA	of	Andover	MA	US

v9.18.12

hereby sell and assign to:

Name of Company: <i>General Electric Company</i>
Entity Type (optional): <i>New York corporation</i>
Address: <i>1 River Road, Schenectady, New York 12345 USA</i>

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

INVENTOR 1

Signature: [Signature]  
Zhanpan ZHANG

Date: 2/10/2020

Witnessed by: [Signature]  
Signature

Date: 02/10/2020

ZHIHUI YANG  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 2/10/2020

Weiwei Shen  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
Zhanpan ZHANG Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Zhanpan ZHANG, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 2

Signature:   
Peter Alan GREGG

Date: 2/11/2020

Witnessed by:   
Signature

Date: 2/11/2020

VAIDHYA MATH VENIL-TANARAYAN  
Printed Name of Witness

Witnessed by:   
Signature

Date: 2/11/2020

David May  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

Peter Alan GREGG

Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Peter Alan GREGG**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 3

Signature:   
Jin XIA

Date: 02/10/2020

Witnessed by:   
Signature

Date: 02/10/2020

SANGHEE CHO  
Printed Name of Witness

Witnessed by:   
Signature

Date: 02/10/2020

Weimei Shen  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
Jin XIA

Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Jin XIA, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 4

Signature: \_\_\_\_\_

John MIHOK

Date: \_\_\_\_\_

2/10/2020

Witnessed by: \_\_\_\_\_

Signature

Date: \_\_\_\_\_

2/10/2020

Printed Name of Witness

Frank Rippe

Witnessed by: \_\_\_\_\_

Signature

Date: \_\_\_\_\_

2/10/2020

Printed Name of Witness

Christopher Jordan

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

John MIHOK

Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **John MIHOK**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal


(Notary Public)



INVENTOR 5

Signature:   
Guangliang ZHAO

Date: 02/19/2020

Witnessed by:   
Signature

Date: 02/19/2020

Reta Tu  
Printed Name of Witness

Witnessed by:   
Signature

Date: 2/19/20

James Kubricht  
Printed Name of Witness

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\_\_\_\_\_  
Guangliang ZHAO

Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Guangliang ZHAO, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

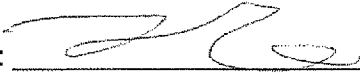
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\_\_\_\_\_  
(Notary Public)

INVENTOR 6

Signature:   
**Bouchra BOUQATA**

Date: 02/19/2020

Witnessed by:   
Signature

Date: 02/19/2020

Jane Shi  
Printed Name of Witness

Witnessed by:   
Signature

Date: 02/19/2020

Dmitry Kit  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
**Bouchra BOUQATA**

Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Bouchra BOUQATA**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)